Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/07/2016 10:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/06/2016 09:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123980	-1	2.53	123906	2.52
Blue	F	SSC	125000	125297	0	4.57	125766	4.53
Blue	E	FITC	21137	20885	-2	3.24	926	10.01
Blue	D	PE	25913	25088	-4	2.87	896	9.27
Blue	B	PerCP-Cy5-5	46728	46091	-2	3.92	1328	15.71
Blue	A	PE-Cy7	40457	40338	-1	5.32	620	32.39
Red	C	APC	50567	50536	-1	2.93	2912	9.23
Red	A	APC-Cy7	52095	51811	-1	2.97	1072	11.13
Violet	B	V450	13425	12930	-4	3.41	625	8.66
Violet	A	V500	55630	54288	-3	3.15	2415	6.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19359	3.88	599	1	N/A	N/A	Pass
Blue	F	SSC	62466	3.34	522	4	N/A	N/A	Pass
Blue	E	FITC	105	36.61	524	-1	0.0230	129	Pass
Blue	D	PE	196	26.51	517	-2	0.1879	209	Pass
Blue	B	PerCP-Cy5-5	207	41.03	611	-2	0.0120	79	Pass
Blue	A	PE-Cy7	70	104.33	663	-1	0.0144	11	Pass
Red	C	APC	338	27.27	590	-1	0.0219	101	Pass
Red	A	APC-Cy7	119	39.54	569	-2	0.0057	1617	Pass
Violet	B	V450	75	41.45	461	-2	0.0464	1842	Pass
Violet	A	V500	175	22.65	493	-1	0.0140	352	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.53	-31.14	0.81
Blue	20.33	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	15.44	13.28 - 19.92	N/A	N/A	31.52	31.85	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10787

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments